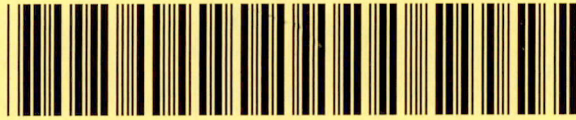


\*936IHSSF3080\*



DocumentID NONCD0002922

Site Name ANTIOCH FOOD MART

DocumentType Correspondence (C)

RptSegment

DocDate 12/6/2011

DocRcvd 12/9/2011

Box SF3080

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY



North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Dee Freeman, Secretary

Dexter Matthews, Director

**TRANSMITTAL**

Date: December 6, 2011  
To: Bruce Parris  
IHSB-MRO  
From: Jan Andersen  
UST Section -ARO  
Re: Antioch Food Mart  
2940 Highway 18  
Morganton  
Burke County  
UST Incident No. 28946

**RECEIVED**

DEC 9 2011

NCDENR MRO IHSB

---

Enclosed please find the following copy for your use:

A copy of the subject file per our phone conversation today. Please note this site has been recommended for state lead as detailed in the file.

If you have any questions, please contact me at 828-296-4640.

c: Bob Davies, UST-RCO

One  
North Carolina  
*Naturally*

2090 U.S. Highway 70, Swannanoa, NC 28778  
Phone: 828-296-4500 \ FAX: 828-299-7043  
Internet: <http://www.enr.state.nc.us/regionaloffices/offices/asheville.html>





North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management  
UST Section

Dee Freeman, Secretary  
Dexter R. Matthews, Director

RECEIVED

December 6, 2011

DEC 9 2011

Mrs. Beatrice K. Rector  
2190 Cedar Trail  
Morganton, NC 28655

NCDENR MRO IHSB

Re: Health Risk Evaluation of Water Supply  
Tracking ID: Bea Rector Water Supply Well  
Antioch Food Mart  
Incident # 28946  
Burke County  
High Risk Classification

Dear Mrs. Rector:

Please find attached the Sample Analytical Results for a water sample collected from the subject well on November 15, 2011. The sample was collected and analyzed as part of the investigation of a petroleum release. The water sample was analyzed for specific target analytes (contaminants), which are listed on the attached Sample Analytical Results. Contaminants were detected in the water sample, as shown on the attached Sample Analytical Results.

Because contaminants were detected in the water sample, a Health Risk Evaluation of the water supply was performed by an environmental toxicologist in the Division of Waste Management. The Health Risk Evaluation, which is attached also, compares the detected concentration of contaminants to acceptable concentrations and provides a recommendation for safe use of the water.

If you have any questions, please contact Dave Lilley at (919) 508-8412 or contact me at the address or telephone number listed below for the Asheville Regional Office.

Sincerely,

Jan Andersen  
UST Regional Supervisor  
Asheville Regional Office

Attachments: Water Supply Well Sample Analytical Results  
Health Risk Evaluation

cc: Burke County Health Department

UST Regional Offices

**Asheville (ARO)** – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

**Fayetteville (FAY)** – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

**Mooresville (MOR)** – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

**Raleigh (RRO)** – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

**Washington (WAS)** – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**


**Wilmington (WIL)** – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

**Winston-Salem (WS)** – 585 Waughtown Street, Winston-Salem, NC 27107 **(336) 771-5000**

**Guilford County Environmental Health**, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**



# NC DWO Laboratory Section Results

County: <b>BURKE</b>		Sample ID: <b>AB78507</b>
River Basin		PO Number #: <b>11U0246</b>
Report To: <b>AROUST</b>		Date Received: <b>11/17/2011</b>
Collector: <b>J ANDERSON</b>		Time Received: <b>09:40</b>
Region: <b>ARO</b>		Labworks LoginID: <b>HMORGAN</b>
Sample Matrix: <b>GROUNDWATER</b>		Report Generated: <b>12/30/99</b>
Loc. Type: <b>WATER SUPPLY</b>		Date Reported: <b>12/01/2011</b>
Emergency Yes/No: <b>YES</b>	VisitID	
COC Yes/No		
<b>RECEIVED</b> Loc. Descr.: <b>BEA RECTOR ANTIOCH FOOD MART 2940 HWY 18 MORGANTON</b>		
Location ID: <b>U3582866881639813</b>	Collect Date: <b>11/15/2011</b>	Collect Time: <b>10:55</b>
Sample Depth		

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab	3.9		°C		11/18/11	HMORGAN
VOL	Volatile Organics in liquid						
			<u>TITLE</u>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
74-87-3	Chloromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-01-4	Vinyl Chloride	0.50	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
74-83-9	Bromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-00-3	Chloroethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
67-66-3	Chloroform	0.25	0.23 N3	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
74-95-3	Dibromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wa/lab/taffinfo/techassist/Data\\_Qualifier\\_Codes.csp](http://portal.ncdenr.org/web/wa/lab/taffinfo/techassist/Data_Qualifier_Codes.csp)

*NC DWQ Laboratory Section Results*

Location ID: **U3582866881639813**

Sample ID: **AB78507**

Collect Date: **11/15/2011**

Collect Time: **10:55**

**VOL**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
106-93-4	(EDB) 1,2-Dibromoethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	<b>0.13 N3</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
75-25-2	Bromoform	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
108-38-3	m,p-Xylene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
100-42-5	Styrene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
95-47-6	o-Xylene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
108-86-1	Bromobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
91-20-3	Naphthalene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/17/11	ACHANDLER

**Sample Comments**

VOL: N3 - estimated concentration, value is < PQL.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

December 5, 2011

TO: Jan Andersen  
Asheville Regional Office  
NC UST Section

FROM: David Lilley *DL*  
Environmental Toxicologist  
NC Division of Waste Management

RE: Health Risk Evaluation  
Incident Number 28946  
Bea Rector Well Sampling Results  
Burke County, NC

RECEIVED

DEC - 5, 2011

UST SECTION  
ASHEVILLE REGIONAL OFFICE

During this sampling event, two contaminants were detected in the well water. The standards used to determine if the water is suitable for drinking and cooking are the United States Environmental Protection Agency's Maximum Contaminant Levels (MCLs) or, if no MCLs exist, North Carolina Groundwater Standards (2L).

If any contaminant concentrations exceed applicable standards for using the water for drinking and cooking, those contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. The chart below compares the detected contaminant concentrations with the applicable standards:

Sample ID	Contaminant	Concentration (ug/l)*	MCL (ug/l)	2L (ug/l)
AB78507	Chloroform	0.23	80**	
	Tetrachloroethene	0.13	5	

\* The abbreviation ug/l stands for micrograms of contaminant per liter of water and is roughly equivalent to parts per billion.

\*\* As total trihalomethanes.

**RECOMMENDATION:** None of the contaminants detected exceeded the applicable water standards. Therefore, no restrictions on the use of this water are recommended at this time.

## Andersen, Jan

---

**From:** Lilley, David  
**Sent:** Monday, December 05, 2011 10:39 AM  
**To:** Andersen, Jan  
**Subject:** RE: Bea Rector Water Supply Well HRE  
**Attachments:** 28946.docx

See attached

David Lilley  
NC DENR - Division of Waste Management  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646  
Phone: (919) 707-8241 Fax: (919) 707-8241

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

---

**From:** Andersen, Jan  
**Sent:** Friday, December 02, 2011 2:49 PM  
**To:** Lilley, David  
**Subject:** Bea Rector Water Supply Well HRE

Dave,  
Attached please find a HRE request for the subject water supply well. This is a resample.  
Thanks,  
Jan

Jan Andersen - [Jan.Andersen@ncdenr.gov](mailto:Jan.Andersen@ncdenr.gov)  
North Carolina Dept. of Environment and Natural Resources  
Asheville Regional Office  
Division of Waste Management - Underground Storage Tanks  
2090 U.S. 70 Highway  
Swannanoa, NC 28778  
Tel: 828-296-4640  
Fax: 828-299-7043

UST Rules, Guidance, Updated GCLs, MSCCs, Trust Fund Info and more:

<http://portal.ncdenr.org/web/wm/ust/ustmain>

2010 Reasonable Rates and Pre-Approval documents

<http://portal.ncdenr.org/web/wm/ust/rrd>

NON - UST Petroleum Releases:

<http://portal.ncdenr.org/web/wm/ust/nustmain>

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties unless the content is exempt by statute or other regulation.



## FIELD/LAB FORM

NORTH CAROLINA

Dept. of Environment and Natural Resources  
Division of Waste Management - UST Section

COUNTY : Burke

QUAD NO: \_\_\_\_\_

LATITUDE : 35 8281 68

LONGITUDE: 81.639813

REPORT TO : UST - ARU Regional Office

COLLECTOR(S) : Jandersen

DATE: 2011/1/15

TIME: 10.55

PURPOSE (circle): Baseline, Complaint, Compliance, CUST, Pesticide Study, Federal Trust, Other:

## Field Analysis

Owner:

pH \_\_\_\_\_ units Spec. Cond. at 25°C \_\_\_\_\_ umhos/cm<sup>2</sup> Location or Site: \_\_\_\_\_

Door \_\_\_\_\_ Temperature \_\_\_\_\_ °C

**Description of sampling point:**

Appearance

**Sampling Method:**

Field Analysis by \_\_\_\_\_

Remarks:

## LABORATORY ANALYSIS

BOD	Dissolved Solids	Ag-Silver	Organochlorine Pesticides
COD High	Fluoride	Al-Aluminum	Organophosphorus Pesticides
COD Low	Hardness: total	As-Arsenic	Nitrogen Pesticides
Coliform: MF Fecal	Hardness: (non-carb)	Ba-Barium	
Coliform: MF Total	Phenols	Ca-Calcium	Acid Herbicides
TOC	Specific Conductivity	Cd-Cadmium	
Turbidity	Sulfate	Cr-Chromium *	Semivolatiles
Residue, Suspended	Sulfide	Cu- Copper	TPH-Diesel Range
	MBAS	Fe- Iron	
	Oil and Grease	Hg- Mercury	✓ Volatile Organics (VOA bottle)
pH	Silica	K-Potassium	
Alkalinity to pH 4.5	Boron	Mg- Magnesium	TPH-Gasoline Range
Alkalinity to pH 8.3	Formaldehyde	Mn-Manganese	TPH-BTEX Gasoline Range
Carbonate	NH3 as N 610	Na- Sodium	
Bicarbonate	TKN as N 625	Ni-Nickel	
Carbon dioxide	NO2 +NO3 as N 630	Pb-Lead *	
Chloride	P: Total as P	Se-Selenium	
Chromium: Hex	PO4	Zn_Zinc	
Color: True 80			
Cyanide			

\* Metals analyses of groundwater samples (excluding Mercury) are reported in ug/L (ppb) unless noted otherwise.

Temperature on arrival (°C):

\* Metals analyses of groundwater samples (excluding Mercury) require Standard Methods 3030C Preliminary Treatment for Acid Extractable Metals

COMMENTS:

ST-54 REV. 1/06

# UNDERGROUND STORAGE TANK SECTION FIELD/LAB FORM

NORTH CAROLINA

Dept. of Environment and Natural Resources  
Division of Waste Management - UST Section

COUNTY : BURKE  
QUAD NO: \_\_\_\_\_  
LATITUDE : \_\_\_\_\_  
LONGITUDE: \_\_\_\_\_

**SAMPLE PRIORITY**

☐ ROUTINE ☐ EMERGENCY

☐ CHAIN OF CUSTODY

**SAMPLE TYPE**

☐ Soil  
☒ Water  
☐ Other

TRIP  
Blank

Location code:

N/A

Lab Number :  
Date Received :  
Time Received :  
Received By :

Released By :  
Date reported :

REPORT TO : UST - ARO Regional Office

COLLECTOR(S) : Janderson

DATE: 2011/11/15

TIME: 0800

PURPOSE (circle): Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:

**Field Analysis**

Owner:

pH \_\_\_\_\_ units Spec. Cond. at 25°C \_\_\_\_\_ umhos/cm2 Location or Site:

Odor \_\_\_\_\_ Temperature \_\_\_\_\_ °C

Appearance \_\_\_\_\_

Field Analysis by \_\_\_\_\_

Description of sampling point:

Sampling Method:

Remarks:

TRIP BLANK - Rector Well  
Poured in ARO lab prep Area  
DEER PARK Bottle  
Poured

(Pump, bailer, etc.)

(pumping time, air temp., etc)

## LABORATORY ANALYSIS

BOD
COD High
COD Low
Coliform: MF Fecal
Coliform: MF Total
TOC
Turbidity
Residue, Suspended
pH
Alkalinity to pH 4.5
Alkalinity to pH 8.3
Carbonate
Bicarbonate
Carbon dioxide
Chloride
Chromium: Hex
Color: True 80
Cyanide

Dissolved Solids
Fluoride
Hardness: total
Hardness: (non-carb)
Phenols
Specific Conductivity
Sulfate
Sulfide
MBAS
Oil and Grease
Silica
Boron
Formaldehyde
NH3 as N 610
TKN as N 625
NO2 +NO3 as N 630
P: Total as P
PO4

Ag-Silver
Al-Aluminum
As-Arsenic
Ba-Barium
Ca-Calcium
Cd-Cadium
Cr-Chromium *
Cu- Copper
Fe- Iron
Hg- Mercury
K-Potassium
Mg- Magnesium
Mn-Manganese
Na- Sodium
Ni-Nickel
Pb-Lead *
Se-Selenium
Zn Zinc

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
Semivolatiles
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
Temperature on arrival (°C):

\* Metals analyses of groundwater samples (excluding Mercury) require Standard Methods 3030C Preliminary Treatment for Acid Extractable Metals.

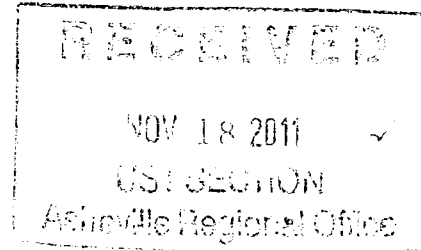
OMMENTS:

ST-54 REV. 1/06

**NCDENR – UST  
Section**

# Memo

**To:** Leann Ishak  
**From:** Bob Davies  
**Date:** 11/14/2011  
**Re:** Antioch Food Mart, Incident # 28946, Burke County, Financial Status



Leann,

Attached is information for Ms. Bea Rector. She is the responsible party for a release that occurred in Burke County. Ms. Rector is claiming that she is financially unable to complete the necessary work at the site (complete an LSA). Jan Andersen has sampled an impacted WSW at/adjacent to the site and will resample the WSW the week of November 14, 2011. In accordance with Grover's December 20, 2002 "Policy for claims of financial inability", I am forwarding this request to you to determine Ms. Rector's claim. At this time, I am not requesting State Lead acceptance for this site and I am not proceeding with enforcement until the financial hardship claim can be verified. Thanks.

Bob

**Enclosure:** Various documents

CC: Jan Andersen - ARO



Incident Name: Antioch Food Mart Site Priority Risk/Rank H295A  
Incident #: 28946 County: Burke City: Morganton  
Site Address: 2940 Highway 18, Morganton, NC 28655  
Current Landowner Mrs. Ben Reeder Address 2190 Cedar Trail, Morganton, NC 28655  
Recommended by: IEA Regional Office: ARO  
Date of Last Site Visit 6/7/11

Step 1: Private/public water supply well within 1000' ☒ yes ☐ no  
Has a water supply been contaminated? ☐ yes ☒ no  
Has alternate water been provided? ☐ yes ☒ no

Step 2: This incident is recommended for State Lead Cleanup because (check All that apply)  
☐ The RO has not been able to positively identify the source(s) of contamination  
☐ The RO has not been able to positively identify the RP  
☐ The RO has positively identified the source(s) but RP cannot be located, or is deceased  
☐ The RP has been identified but refuses to comply with investigative requirements  
☒ The RP has been identified but claims financial hardship or bankruptcy  
☐ The RO is continuing its investigation of sources and RPs, but immediate action is necessary to protect human health and the environment. See comments.

Step 3: ☒ Attach a statement documenting or supporting the site risk determination (RRA Form) based upon a confirmed UST release of petroleum to soil and/or groundwater. (See NOTE on RRA Form)

Step 4: ☒ Attach a cover memo with a complete summary of site history and chronology of events, including RO actions taken to date.

Step 5: Attach the entire original Regional Office file, and be sure it includes:  
☒ 24-Hour Release and UST Leak Reporting Form (Form 61) and ranking forms  
☒ Topographic map with site location clearly identified  
☒ NORRs, NOVs, and any other correspondence issued and received  
☐ Alternate water requests and any information on available water sources  
☒ Telephone logs, any supplemental information

Step 6: Check all that apply for any UST located at the site:  
☐ UST is a heating oil tank 1100 gallons or less  
☐ UST is a heating oil tank greater than 1100 gallons for four or fewer households  
☐ UST is farm or residential, 1100 gallons or less of motor fuel for non-commercial purposes  
☐ The UST is a non-regulated, commercial UST  
☒ The UST is a regulated UST

Comments: ON-site water supply well serves the trailer park; last sampled 6/14/11 by ARO  
PCE @ 15ppb - HRE 7/5/11 - NO RESTRICTIONS ON WATER USE. Station is on city water per verbal  
statements from RP and operator. ARO will RESAMPLE in September per Bruce  
Farris, IHSB, RECOMMENDATION. (SEE MEMO RE: 8/14/11 Phone Conversation)

Jan Andersen  
Regional Supervisor

Don Amundson  
Signature

8/14/11  
Date

Attachment: Incident File ☒

## STATE LEAD REFERRAL MEMO

---

**Incident Name:** Antioch Food Mart

**Incident Address:** 2940 Highway 18, Morganton, NC 28655

**Incident #:** 28946

**Facility ID:** 0-034600

**Summary of Site History and Chronology of Events:**

04/6/10 – Phone conversation with Mrs. Bea Rector: She advised that she had received a site assessment from her bank, Carolina First Bank. She is experiencing financial problems but the bank has not foreclosed and the report said there was contaminated groundwater. The trailer park water supply well sample had a petroleum contaminant apparently below state standards.

04/15/10 – Phone conversation with Mrs. Bea Rector: She has connected the trailer park to city water and she has contacted the consultant about sending a copy to the ARO.

04/15/10 – Phone conversation with Joe Lindsey from Carolina First Bank concerning several of their financially distressed properties where site assessments had been performed. He advised that the Bank is not the Responsible Party. He suggested that I contact their environmental risk management person Andrew Bailey.

04/15/10 – Phone conversation with Andrew Bailey from ECA Risk Management: stated that a letter has been sent to Mrs. Rector to formally get her permission to release the ESA. I advised him that she had hooked the trailer park to city water.

04/27/10 – Phone conversation with Mrs. Bea Rector: She called to check on report submittal status. Report had not been received

05/18/10 – Phone conversation with Andrew Bailey from ECA Risk Management; JCA placed call to inquire about the report submittal status. He advised that he would have to check with the bank's attorney and get back to me.

05/26/10 – Phone conversation with Carolina First Bank's Dan Hyleman: He was requesting information on the site to do an appraisal. JCA advised he should contact Andrew Bailey.

11/23/10 – JCA called Andrew Bailey requesting report submittal information. He stated that he thought the owner had it. I advised that she does not have a way to make the copies due to her financial situation. He will get back to me. He suggested that I email him. Email was sent to him. He emailed back that appropriate folks were out of the office and he would get back to me.

01/18/11 – JCA called Andrew Bailey following-up on report submittal status. He requested that I send him his 11/23/10 email. JCA sent the requested email

05/18/11 – JCA called Andrew Bailey following-up on report submittal status. He stated that the delay was a result of Carolina First Bank being bought by TD Bank

05/19/11 – AEI's Limited Site Investigation Report submitted to the ARO via email from Andrew Bailey. Report revealed that groundwater contamination with benzene at 1990 ppb and naphthalene at 116 ppb. The water supply serving the trailer park exhibited one petroleum related constituent, isopropyl ether with a concentration of 1.43ppb below the 2I standard of 70ppb.

05/19/11 – Incident entered into the RUST database

05/24/11 – JCA conducted a site visit. Mrs. Bea Rector was not at the facility, follow-up required.

06/01/11 – Phone conversation with Mrs. Bea Rector. JCA advised that NORR would be sent to her and arranged for her well to be sampled on 6/7. She advised that she had disconnected the trailer park from city water after she had it sampled and the lab said it was OK.

06/07/11 – JCA met Mrs. Bea Rector onsite and sampled the water supply well serving the trailer park. She stated that she had not made a payment to the bank for a year and she has not heard from them.

06/09/11 – NORR sent to Mrs. Bea Rector.

06/07/11 – ARO received a letter from Mrs. Bea Rector in response to the NORR. She advised that she could not proceed due to her financial situation. She is currently supporting her son who is out of work and her three grandchildren. She also submitted the water analysis, which was done last year. Total coliform bacteria exceeded EPA limits. She stated that she did chlorinate per the labs instructions.

07/01/11 – ARO received DWQ Lab results, Tetrachloroethane was detected at .15 ppb and Chloroform at .22 ppb.

07/01/11 – ARO emailed HRE to Dave Lilley.

07/05/11 – ARO received HRE from Dave Lilley via email, no restrictions on the use of the water were recommended.

07/05/11 – ARO sent HRE to Mrs. Bea Rector.

07/06/11 – JCA called Mrs. Bea Rector to advise her of the HRE.

07/25/11 – ARO received DWQ Lab SAR for the water supply well results. QC data reported outside of the controls, Sample reported with qualification. Data code used: J2 for Bromomethane.

07/29/11 – JCA contacted ARO's WQ Lab Section Gary Francies about the SAR and he advised that it was not a problem.



08/04/11 – Phone conversation with Bruce Parris, MRO-IHSB; Bruce recommended that the water supply well be sampled again to confirm the PCE contamination. I advised that I would schedule to resample in September.

08/04/11 - State Lead referral was completed.

**NORTH CAROLINA  
UNDERGROUND STORAGE TANK SECTION  
RISK, RANK AND ABATEMENT RATING FORM**

Incident Name: Antioch Food Mart Region: AZ  
Incident Number: 28946 County: Burke SCORE  
Date: 8/3/2011 Ranking Performed by: JCA (see note)

**H295A**

*Note: a new ranking form must be completed whenever site conditions may have changed*

**SECTION I. Risk Classification (Check all that apply)**

**1. High Risk**

*NOTE: LSA has not been performed at the site.*

*Ranking based on site visit and AET's Carolina First Bank Report*

- A. An existing water supply well, including one used for non-drinking purposes, has been contaminated by the release; \_\_\_\_\_
- B. A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed release; ✓ \_\_\_\_\_
- C. A water supply well not used for drinking water is located within 250 feet of the source area of a confirmed release; \_\_\_\_\_
- D. The groundwater within 500 feet of the source area of a confirmed release has the potential for future use in that there is no source of water supply other than the groundwater; \_\_\_\_\_
- E. There exists a serious threat of explosion due to the accumulation of vapors in a confined space, as a result of the release; or \_\_\_\_\_
- F. There exists an imminent danger to public health, public safety or the environment, as a result of the release. \_\_\_\_\_

**2. Intermediate Risk**

- A. Surface water is located within 500 feet of the source area of a confirmed release and the maximum groundwater contaminant concentration exceeds the applicable surface water quality standard and criteria found in 15A NCAC 2B .0200 by a factor of 10; \_\_\_\_\_
- B. In the Coastal Plain Physiographic Province (as designated on a map entitled Geologic Map of North Carolina published by the Department in 1985), the source area of a confirmed release is located where there is recharge to an unconfined or semi-confined deeper aquifer which the Department determines is being used or may be used as a source of drinking water; \_\_\_\_\_
- C. The source area of a confirmed release is located within a designated wellhead protection area, as defined in 42 USC 300h-7(e); \_\_\_\_\_
- D. The levels of groundwater contamination for any contaminant (except ethylene dibromide, benzene and the aliphatic and aromatic carbon fraction classes) exceed 50 percent of the solubility of the contaminant at 25 degrees Celsius or 1,000 times the groundwater quality standard or interim standard established in 15A NCAC 2L .0202, whichever is lower (these levels have been termed "gross contamination levels"); or \_\_\_\_\_
- E. The levels of groundwater contamination for ethylene dibromide or benzene exceed 1,000 times the federal drinking water standard set out in 40 CFR 141 (these levels have also been termed "gross contamination levels"). \_\_\_\_\_

**3. Low Risk**

- A. A low risk classification means that the risk posed by a release does not meet any of the high or intermediate risk criteria or, based on site-specific information received by the Department, the release does not pose a significant risk. \_\_\_\_\_

**SECTION I. Risk Classification**

**H**

## SECTION II. Release Ranking (Assign points as applicable)

### 1. EMERGENCY HAZARD ASSESSMENT

POINTS

An emergency situation exists whenever the Department determines that the release poses an imminent danger to public health, public safety, or the environment.

EMERGENCY

*Complete entire form and assign letter E to final rating in Section III, Once Emergency is abated a new rating must be performed*

### 2. EXPOSURE ASSESSMENT

#### Groundwater

##### A. Impacted Water Supplies

Public Supply Wells (each well can only be counted once)

1. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 600 points per well

Private Supply Wells (each well can only be counted once)

2. Private domestic drinking water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 200 points per well

3. Private well, not used for drinking, containing contamination in detectable concentrations; award 75 points per well

Public or Private Wells Below 2L .0202 Standards (each well can only be counted once)

4. Public or private drinking water supply contains substances that are below the 15A NCAC 2L groundwater quality standards; award 100 points per well

100

##### B. Threat to Uncontaminated Drinking Water Supplies

Public Supply Wells (each well can only be counted once)

1. Public or institutional water supply well within 500 ft of plume edge, plume edge is within radius of influence of public well, or threat currently unknown; award 40 points per well
2. Public or institutional water supply well between 500 and 1000 ft of plume edge or threat is reasonably known; award 10 points per well

Private Supply Wells (each well can only be counted once)

3. Private water supply, including non-drinking well, located within 250 feet of plume edge, wells threatened or the threat is currently unknown; award 20 points per well  
*Trailer Park Well does not appear to be a public well not enough connections*
4. Private water supply, not including non-drinking well, located between 251 and 500 feet of the plume edge, wells threatened or the threat is currently unknown; award 10 points per well  
*Station 15 on City water*
5. Private water supply, not including non-drinking well, located between 501 and 1000 feet of plume edge or wells located within 1000 feet but threat to wells is reasonably known or alternate water source is available; award 5 points per well
6. Private non-drinking well, located between 251 and 1000 feet of plume edge; award 2 points per well

20

#### Surface Water

1. Violation of Class HQW, ORW, WS-I, WS-II or SA surface water quality standards as a result of groundwater discharge; award 10 points
2. Free product or sheen discovered on surface waters as a result of groundwater discharge; award 5 points



## Soil

- A. Land Use Choose required soil clean-up level then apply points only if soil contamination exceeds requirement

No Risk Data  
☐

Soil to GW  
☐

Residential  
☐

Industrial/Commercial  
☐

*Samples  
Below Soil to  
GW*

1. Maximum soil contaminant concentration exceeds "Soil to Groundwater" but below "Residential" exposure concentration; award 5 points total  
OR
2. Maximum soil contaminant concentration exceeds "Residential" but is below the "Industrial/Commercial" exposure concentration; award 10 points total  
OR
3. Maximum soil contaminant concentration exceeds the "Industrial/Commercial" exposure concentration or no risk-based data available; award 15 points total

## Air

### A. Vapor Phase Exposure

1. Contaminant vapors detected in inhabitable building(s), but levels are below 20% of the lower explosive limit and health concern levels; award 20 points total
2. Contaminant vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.) but levels are below 20% of the lower explosive limit; award 5 points total

## 3. HYDROGEOLOGY AND LITHOLOGY

- A. Bedrock - contamination is located in, on or within five feet of bedrock; award 20 points
- B. Vertical Contaminant Migration - Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points
- C. Horizontal Contaminant Migration - Data or observations indicate that no discharge points or aquifer discontinuities exist between the discharge, release or known extent of contamination and the nearest down gradient drinking water supply; award 5 points total

## 4. ENVIRONMENTAL VULNERABILITY ASSESSMENT

### Contamination Concentrations

#### A. Existing Groundwater Quality - The worst case monitor or supply well, assign only one

1. At less than 10 times the 2L groundwater standards; award 5 points  
OR
2. Between 10 and 100 times the 2L groundwater standards; award 20 points  
OR
3. Greater than 100 times the 2L groundwater standards; award 40 points  
OR *BENZENE @ 1990 PPB*
4. Free Product; award 80 points

### Contaminant Types

#### A. Predominant Contamination Type

1. Low boiling point petroleum products (gasoline, aviation fuel); award 20 points
2. High boiling point petroleum products (fuel oil, kerosene, diesel fuel or similar products); award 0 points

## SECTION II. Release Ranking

**195**

### SECTION III. Source Abatement Assignment (Award Points and Assign Letter)

#### A. Abated or Unabated Contaminant Source

1. Emergency Situation, Assign Letter E (from Section II.1.)  
OR
2. UST remains in active use and continues to discharge into the environment; Award 100 points and assign Letter A  
OR
3. UST release has been abated. However, contaminated soil continues to release product or contaminants into the environment; Award 50 points and assign Letter D  
OR
4. UST release has been abated. Contaminated soil has been removed or remediated; Award 0 points and assign Letter R

100 A

### SECTION III. Source Abatement Assignment

100 A

### SECTION IV. Risk, Rank and Abatement Score

#### Total: Risk, Rank and Abatement Score

*(Insert risk letter from Section I, total all points from Section II and III, and insert abatement letter from Section III)*

H295A  
(e.g H750D)

*Upon completion transfer final score to box on page 1.*

Memo to File:

Inc. # 28946

BURKE CO.

Phone conversation with Bruce Parris IHSB MRO  
August 4, 2011.

I advised Bruce of the PCE hit in  
the trailer park well. (.15ppb) Below 24.

He suggested that the well be resampled  
to ensure that there was a PCE issue.

I advised that I was in the process  
of recommending the site for state land.

I will schedule to resample in

September. If PCE hit occurs  
again then I will submit to him  
or contact him with the info.

7/29/11

Memo to File

Inc. # 28946 Burke Co

I checked with

WQ lab section ARO Gary Francis

He advised that this SAR report  
is not a problem

Jan Aubrey

Memo to File  
Antioch Food Mart  
Inc. # 28946  
Burke County

Phone conversation  
7/6/2011

With Ms. Rector @ 828-448-0262

I called Ms. Rector and  
advised her of the water supply  
well results and that HRE had  
no restrictions and that copy  
was going out in mail.

I also advised that I  
would be working on getting  
file ready for state lead.

Jan Anselmi

FILE COPY



North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management  
UST Section

Dee Freeman, Secretary  
Dexter R. Matthews, Director

July 5, 2011

Mrs. Beatrice K. Rector  
2190 Cedar Trail  
Morganton, NC 28655

Re: Health Risk Evaluation of Water Supply  
Tracking ID: Bea Rector Water Supply Well  
Antioch Food Mart  
Incident # 28946  
Burke County  
High Risk Classification

Dear Mrs. Rector:

Please find attached the Sample Analytical Results for a water sample collected from the subject well on June 7, 2011. The sample was collected and analyzed as part of the investigation of a petroleum release. The water sample was analyzed for specific target analytes (contaminants), which are listed on the attached Sample Analytical Results. Contaminants were detected in the water sample, as shown on the attached Sample Analytical Results.

Because contaminants were detected in the water sample, a Health Risk Evaluation of the water supply was performed by an environmental toxicologist in the Division of Waste Management. The Health Risk Evaluation, which is attached also, compares the detected concentration of contaminants to acceptable concentrations and provides a recommendation for safe use of the water.

If you have any questions, please contact Dave Lilley at (919) 508-8412 or contact me at the address or telephone number listed below for the Asheville Regional Office.

Sincerely,

Jan Andersen  
UST Regional Supervisor  
Asheville Regional Office

Attachments: Water Supply Well Sample Analytical Results  
Health Risk Evaluation

cc: Burke County Health Department

UST Regional Offices





North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

July 5, 2011

TO: Jan Andersen  
Asheville Regional Office  
NC UST Section

FROM: David Lilley *Out of office*  
Environmental Toxicologist  
NC Division of Waste Management

RE: Health Risk Evaluation  
Incident # 28946  
Bea Rector Well Sampling Results

During this sampling event, two contaminants were detected in the well water. The standards used to determine if the water is suitable for drinking and cooking are the United States Environmental Protection Agency's Maximum Contaminant Levels (MCLs) or, if no MCLs exist, North Carolina Groundwater Standards (2L).

If any contaminant concentrations exceed applicable standards for using the water for drinking and cooking, those contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. The chart below compares the detected contaminant concentrations with the applicable standards:

Sample ID	Contaminant	Concentration (ug/l)*	MCL (ug/l)	2L (ug/l)
AB72369	Chloroform	0.22	80**	
	Tetrachloroethene	0.15	5	

\* The abbreviation ug/l stands for micrograms of contaminant per liter of water and is roughly equivalent to parts per billion.

\*\* As total trihalomethanes.

**RECOMMENDATION:** None of the contaminants detected exceeded the applicable water standards. Therefore, no restrictions on the use of this water are recommended at this time.

RECEIVED

JUL 5 2011

1646 Mail Service Center, Raleigh, North Carolina 27699-1646  
Phone: 919-508-8400 \ FAX: 919-715-4061 \ Internet: [www.wastenotnc.org](http://www.wastenotnc.org)

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UST SECTION  
ASHEVILLE REGIONAL OFFICE

One  
North Carolina  
*Naturally*



North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management  
UST Section

Dee Freeman, Secretary  
Dexter R. Matthews, Director

July 1, 2011

**MEMORANDUM**

**TO:** Dave Lilley, Environmental Toxicologist, Division of Waste Management, 1646 Mail Service Center, Raleigh, NC 27699-1646 (FAX (919) 733-4811)

**FROM:** Jan Andersen, Asheville Regional Office, UST Section *JA*

**SUBJECT:** Request for Health Risk Evaluation of Water Supply  
Tracking ID: Bea Rector Water Supply Well  
Incident # 28946  
Burke County

Enclosed please find the analytical results for a water sample collected on June 7, 2011 from the subject water supply well. Please perform a health risk evaluation and send the evaluation with your recommendation and a copy of this memo to me. I will then forward the health risk evaluation and recommendation to the well users.

If you have questions or need additional information, please contact me at the address or telephone number below. Thank you for your assistance.

Attachment: Well Sample Analytical Results

UST Regional Offices

**Asheville (ARO)** – 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

**Fayetteville (FAY)** – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 433-3300

**Mooresville (MOR)** – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 (704) 663-1699

**Raleigh (RRO)** – 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

**Washington (WAS)** – 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

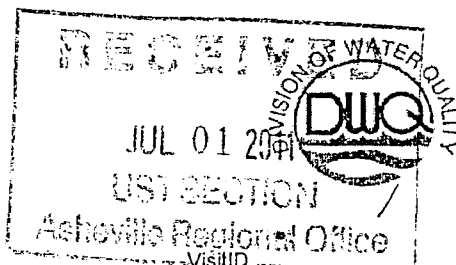
**Wilmington (WIL)** – 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

**Winston-Salem (WS)** – 585 Waughtown Street, Winston-Salem, NC 27107 (336) 771-5000

**Guilford County Environmental Health**, 1203 Maple Street, Greensboro, NC 27405, (336) 641-3771

# NC DWO Laboratory Section Results

County: **BURKE**  
 River Basin  
 Report To: **AROUST**  
 Collector: **J ANDERSON**  
 Region: **ARO**  
 Sample Matrix: **GROUNDWATER**  
 Loc. Type: **WATER SUPPLY**  
 Emergency Yes/No  
 COC Yes/No



Sample ID: **AB72369**  
 PO Number #: **11U0129**  
 Date Received: **06/09/2011**  
 Time Received: **08:00**  
 Labworks LoginID: **HMORGAN**  
 Report Generated: **6/28/11**  
 Date Reported: **06/28/2011**

*m/p 6-28-11*

Loc. Descr.: **BEA RECTOR**

Location ID: <b>U3582916881639813</b>	Collect Date: <b>06/07/2011</b>	Collect Time: <b>11:50</b>	Sample Depth
---------------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		<b>3.6</b>	°C		6/9/11	DLEAVITT
<b>VOL</b>							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
74-87-3	Chloromethane	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
74-83-9	Bromomethane	1	Not detected J2	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
67-66-3	Chloroform	0.25	0.22 N3	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes)

*NC DWQ Laboratory Section Results*

Location ID: U3582816881639813

Sample ID: AB72369

Collect Date: 06/07/2011

Collect Time: 11:50

**VOL**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
124-48-1	Dibromochloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	0.15 N3	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
108-38-3	m,p-Xylene	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/16/11	ACHANDLER

**SEM**

Semivolatile Organics (BNAs) in liquid		_TITLE_		ug/L	EPA625/8270/3510	6/13/11	NGOOD
62-53-3	Aniline	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
108-95-2	Phenol	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
111-44-4	Bis(2-chloroethyl)ether	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
95-57-8	Chlorophenol, 2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
541-73-1	Dichlorobenzene, 1,3	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
106-46-7	Dichlorobenzene, 1,4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
100-51-6	Benzyl alcohol	20	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
95-50-1	Dichlorobenzene, 1,2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
95-48-7	Methylphenol, 2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/nc/lab/staffinfo/techassist/Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/nc/lab/staffinfo/techassist/Data_Qualifier_Codes)

*NC DWQ Laboratory Section Results*

Location ID: U3582816881639813

Sample ID: AB72369

Collect Date: 06/07/2011

Collect Time: 11:50

**SEM**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
39638-32-9	Bis(2-chloroisopropyl)ether	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
106-44-5	Methylphenol, 4-	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
621-64-7	N-nitrosodi-n-propylamine	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
67-72-1	Hexachloroethane	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
98-95-3	Nitrobenzene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
78-59-1	Isophorone	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
88-75-5	Nitrophenol, 2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
105-67-9	Dimethylphenol, 2,4-	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
65-85-0	Benzoic acid	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
111-91-1	Bis(2-chloroethoxy)methane	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
120-83-2	Dichlorophenol, 2,4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
120-82-1	Trichlorobenzene, 1,2,4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
91-20-3	Naphthalene(SV)	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
106-47-8	Chloroaniline, 4-	20	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
87-68-3	Hexachlorobutadiene(SV)	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
59-50-7	Chloro-3-methyl phenol, 4-	20	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
91-57-6	Methylnaphthalene, 2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
77-47-4	Hexachlorocyclopentadiene	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
88-06-2	Trichlorophenol, 2,4,6-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
95-95-4	Trichlorophenol, 2,4,5-	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
91-58-7	Chloronaphthalene, 2-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
88-74-4	Nitroaniline, 2-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
131-11-3	Dimethyl phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
208-96-8	Acenaphthylene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
606-20-2	Dinitrotoluene, 2,6-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
99-09-2	Nitroaniline, 3-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
83-32-9	Acenaphthene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
51-28-5	Dinitrophenol, 2,4-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
100-02-7	Nitrophenol, 4-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
132-64-9	Dibenzofuran	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
121-14-2	Dinitrotoluene, 2,4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
84-66-2	Diethyl phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
7005-72-3	Chlorophenyl phenyl ether, 4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
86-73-7	Fluorene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
100-01-6	Nitroaniline, 4-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
534-52-1	Dinitro-2-methyl phenol, 4,6-	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
86-30-6	N-nitrosodiphenylamine	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
101-55-3	Bromophenyl phenyl ether, 4-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
118-74-1	Hexachlorobenzene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
87-86-5	Pentachlorophenol	50	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
85-01-8	Phenanthrene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
120-12-7	Anthracene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wwq/lab/staffinfo/techassist/Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wwq/lab/staffinfo/techassist/Data_Qualifier_Codes) <<http://portal.ncdenr.org/web/wwq/lab/staffinfo/techassist>>

*NC DWQ Laboratory Section Results*

Location ID: U3582816881639813

Sample ID: AB72369

Collect Date: 06/07/2011

Collect Time: 11:50

**SEM**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
84-74-2	Di-n-butyl phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
206-44-0	Fluoranthene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
129-00-0	Pyrene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
85-68-7	Butylbenzyl phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
91-94-1	Dichlorobenzidine, 3,3'-	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
56-55-3	Benzo(a)anthracene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
218-01-9	Chrysene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
117-81-7	Bis(2-ethylhexyl)phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
117-84-0	Di-n-octyl phthalate	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
205-99-2	Benzo(b)fluoranthene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
207-08-9	Benzo(k)fluoranthene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
50-32-8	Benzo(a)pyrene	10	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
193-39-5	Indeno(1,2,3-cd)pyrene	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
53-70-3	Dibenzo(a,h)anthracene	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
191-24-2	Benzo(g,h,i)perylene	12	Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD
No BN/As detected by GC/MS.			Not detected	ug/L	EPA625/8270/3510	6/13/11	NGOOD

Sample Comments

VOL: J2 -1 of 60 analytes failed <LCL in NSI-QC.  
VOL: N3- estimated concentration, value is < PQL.



# UNDERGROUND STORAGE TANK SECTION FIELD/LAB FORM

NORTH CAROLINA

Dept. of Environment and Natural Resources  
Division of Waste Management - UST Section

COUNTY: Burke  
QUAD NO: \_\_\_\_\_  
LATITUDE: 35.828168  
LONGITUDE: 81.639813  
REPORT TO: UST-ARO Regional Office  
COLLECTOR(S): Janderson  
DATE: 20110607  
TIME: 1150

## SAMPLE PRIORITY

☐ ROUTINE ☒ EMERGENCY

☐ CHAIN OF CUSTODY

## SAMPLE TYPE

☐ Soil  
☒ Water  
☐ Other

Location code:

U3582816881639813

1140129

Lab Number: AB 72349  
Date Received: 6-9-10  
Time Received: 8:30  
Received By: info

Released By: \_\_\_\_\_  
Date reported: \_\_\_\_\_

PURPOSE (circle): Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: \_\_\_\_\_

## Field Analysis

Owner: Bru Rector

pH \_\_\_\_\_ units Spec. Cond. at 25°C \_\_\_\_\_ umhos/cm2 Location or Site: Antioch Food Mart 2940 Hwy 18 Morganton

Odor \_\_\_\_\_ Temperature \_\_\_\_\_ °C

Description of sampling point: Kitchen Tap

Appearance \_\_\_\_\_

Sampling Method: Pump & P

(Pump, boiler, etc.)

Field Analysis by \_\_\_\_\_

Remarks: \_\_\_\_\_

(pumping time, air temp., etc.)

## LABORATORY ANALYSIS

BOD	Dissolved Solids	Ag-Silver	Organochlorine Pesticides
COD High	Fluoride	Al-Aluminum	Organophosphorus Pesticides
COD Low	Hardness: total	As-Arsenic	Nitrogen Pesticides
Coliform: MF Fecal	Hardness: (non-carb)	Ba-Barium	Acid Herbicides
Coliform: MF Total	Phenols	Ca-Calcium	
TOC	Specific Conductivity	Cd-Cadmium	
Turbidity	Sulfate	Cr-Chromium *	Semivolatiles
Residue, Suspended	Sulfide	Cu-Copper	TPH-Diesel Range
	MBAS	Fe-Iron	
	Oil and Grease	Hg-Mercury	✓ Volatile Organics (VOA bottle)
pH	Silica	K-Potassium	
Alkalinity to pH 4.5	Boron	Mg-Magnesium	TPH-Gasoline Range
Alkalinity to pH 8.3	Formaldehyde	Mn-Manganese	TPH-BTEX Gasoline Range
Carbonate	NH <sub>4</sub> as N 610	Na-Sodium	
Bicarbonate	TKN as N 625	Ni-Nickel	
Carbon dioxide	NO <sub>3</sub> + NO <sub>2</sub> as N 630	Pb-Lead *	
Chloride	P. Total as P	Se-Selenium	
Chromium: Hex	PO <sub>4</sub>	Zn-Zinc	
Color: True SO			
Cyanide			

Temperature on arrival (°C)

3.6

\* Metals analyses of groundwater samples (excluding Mercury) require Standard Methods 3030C Preliminary Treatment for Acid Extractable Metals

COMMENTS: \_\_\_\_\_

UST-54 REV. 1/06

RECEIVED

JUN 22 2011

UST SECTION

Asheville Regional Office 18-11

Dear Jan Anderson,

I recently received your letter stating that I needed to complete a LSA for the property at 2940 NC 18 US 64 in Morganton NC. If I understand correctly this will cost at least 15,000.00 dollars and I really don't have that kind of money. When I was told that the water may be contaminated I switched the trailer park over to city water and took a sample of water to a lab in Hudson NC. to have it tested myself. I wanted to make sure how the water was, because I did not want to give the people in the park any water that was bad. The lab tested the water and told me the only thing I needed to do was to put a gallon of Clorox in the well and let it sit for a while. I did this and then put the park back on the well. I no longer run the store I have it leased out and most of the trailers are owned by the tenants they just rent the lot they sit on. The money I do collect is paid on insurance and upkeep on the property and the trailers

we own. I don't have that kind of money to do this project. Are there any places I can go to get help. I am doing all I know to do but I really need help.

My husband is working but it takes all he makes to keep us going at to pay the bills. My grandchildren and my son who is not working look to us for support we are doing all we can to help him and the children (3).

Please help if you can or let me know what I can do.

Phone # 828-448-0262

Thank you  
Diane

I have enclosed a copy of the water test I had done.

RECEIVED

JUN 22 2011

POST SECTION

Asheville Regional Office

Water Tech Labs, Inc.

Post Office Box 1056 / 5 Pinewood Plaza Drive

Granite Falls, NC 28630

(828) 396-4444

\*\* Please submit payment

with sample return.

\$ 35.00  
PAID

# Water Analysis

Laboratory ID#: 37711

Private Well: (Name) Bea Rector

Collected: Date: 5-10-10 (MM/DD/YY) Time: 10:30 (HH:MM(am or pm))

Location Where Collected: Street: 2940 NC 184564 Morganton NC County: Burke

Collected By: Bea Rector

28655

Mail Results To:

Bea Rector

2190 Cedar Trail

Morganton NC 28655

Telephone: 448-0262

Fax: 828-433-6980

Mortgage information if applicable:

Attorney:

Closing Date:

\*\*\*\* Samples must  
be analyzed within  
30 hours of sample  
collection, so it is  
important that they  
be mailed the same  
day as collection  
or hand delivered.

## INFORMATION BELOW FOR LAB USE ONLY!!!

Analysis	Method Code	Result		Exceeds Established EPA Limits (Yes/No)	EPA Limit
		Present	Absent		
Total Coliform Bacteria	Colisure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Yes</u>	<u>0</u>
Fecal/E. Coli Bacteria	Colisure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No</u>	<u>0</u>
Nitrate	4500NO3-E		mg/L		<u>10.0</u>
Nitrite	4500NO2-B		mg/L		<u>1.0</u>
Lead	3113B		mg/L		<u>0.015</u>
Copper	3111B		mg/L		<u>1.300</u>
Hardness as CaCO <sub>3</sub>	141		mg/L		<u>N/A</u>
Iron	200.7		mg/L		<u>0.30</u>
Conductivity	145		umhos/cm		<u>N/A</u>
pH	135		SU's		<u>Not &lt;6.5</u>

Date Analysis Begun: 05/10/10

Time Analysis Begun: 11:05 AM

Date Analysis Complete: 05/11/10

Time Analysis Completed: 11:05 AM

Laboratory Log #: 2M

Certified: Tony Gragg Tony Gragg

Comments:

Date/Time Received: 5-10-10 11:00 AM

# Chlorination/Disinfection Procedure For Drinking Water Wells

---

1. Pour 1 gallon of household bleach directly into the well.
2. Flush all faucets, both inside and outside, one at a time, until the odor of chlorine is detected.
3. After 24 hours, select an outside spigot to flush the remaining chlorine from the plumbing system. It is not recommended that this flushing be done from an inside spigot since the high level of chlorine may interfere with septic tank operation.
4. After all chlorine has been flushed from the plumbing and the system has returned to normal, a sample for analysis can be collected.

NOTE: During the disinfection period the water is safe for general use, although a strong chlorine odor will exist and the washing of colored clothing should be avoided.



FILE COPY

North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management  
UST Section

Dee Freeman, Secretary  
Dexter R. Matthews, Director

June 9, 2011

Mrs. Beatrice K. Rector  
2190 Cedar Trail  
Morganton, NC 28655

Re: Notice of Regulatory Requirements  
15A NCAC 2L .0404 and 2L .0405  
Risk-based Assessment and Corrective Action  
for Petroleum Underground Storage Tanks

Antioch Food Mart  
2940 Highway 18  
Burke County  
Incident Number: 28946  
Risk Classification: unconfirmed

Dear Mrs. Rector:

The Site Investigation Report received by the UST Section, Asheville Regional Office on May 19, 2011 has been reviewed. The report indicates that groundwater contamination exceeds the standards or interim standards established in Title 15A NCAC 2L.0202. Therefore, the UST Section hereby confirms that you must comply with assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rule.

The requirements of Title 15A NCAC 2L .0405 include the preparation and submittal of a Limited Site Assessment (LSA) Report, in accordance with the rule and the most recent version of the *Guidelines for Assessment and Corrective Action for UST Releases*, within 120 days of discovery of the release.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the



UST Section Trust Fund Branch at (919) 733-8486. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely,



Jan Andersen  
UST Regional Supervisor  
Asheville Regional Office

c: Title 15A NCAC 2L .0405  
A Brief History of North Carolina Session Laws, Rules, and General Statutes...

UST Regional Offices

**Asheville (ARO)** – 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

**Fayetteville (FAY)** – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 433-3300

**Mooresville (MOR)** – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 (704) 663-1699

**Raleigh (RRO)** – 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

**Washington (WAS)** – 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

**Wilmington (WIL)** – 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

**Winston-Salem (WS)** – 585 Woughtown Street, Winston-Salem, NC 27107 (336) 771-5000

**Guilford County Environmental Health**, 400 West Market Street, Suite 300, Greensboro, NC 27401, (336) 641-3771

North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
UST Section, Corrective Action Branch (CAB)

**INSPECTION REPORT**

Date: 6/7/11 RISK: V-H Inspector: JCH  
Site Name: Antioch Food Mart Incident Number: 28946  
County: Burke UST Number: \_\_\_\_\_  
Region: ARO GPS Coordinates: N35.828168W81.63981

**Site Information Checklist**

**Facility Information:**

Operating facility? ☒ Yes ☐ No  
Valid UST permit? ☐ Yes ☐ No  
Number of tanks: ☐ Yes ☐ No  
Site map/well map verified (if no, explain discrepancies in comments section)? ☐ Yes ☐ No  
Any visible spills/leaks (if yes, explain in comments section)? ☐ Yes ☐ No  
Any visible water supply wells? ☐ Yes ☐ No If yes, distance to closest (ft.)? \_\_\_\_\_

**Remediation System(s) Information:**

	System 1		System 2		System 3	
System type?	N/A					
Fully installed?	Yes	No	Yes	No	Yes	No
Operating?	Yes	No	Yes	No	Yes	No
Free product present (verified)?	Yes	No	Yes	No	Yes	No

**Was RP/consultant/other on site?**

☒ Yes ☐ No  
Name of RP: Bea Rector Company: UST OWNER  
Name of consultant: \_\_\_\_\_ Company: \_\_\_\_\_  
Name of Other: \_\_\_\_\_ Company: \_\_\_\_\_

**Pictures Taken?**

Yes ☒ No ☐  
Location of photos: \_\_\_\_\_

Time spent on site (hrs): 20 min.

Comments: Met w/ Mrs. Rector to sample well that supplies her Trailer Park - took sample at kitchen tap of one of her rental trailers.  
(over)

(over)

This inspection sheet is to be placed in corresponding incident file upon completion

### Comments (continued)

Ms. Rector stated that she had not made any payments for over a year to the bank and she has not heard from them during that time. Still financial stressed

### Drawings

This inspection sheet is to be placed in corresponding incident file upon completion

Memo to file:

Jouan Jensen  
Phone conversation 6/1/2011  
with Ms. Rector approximately  
18 minutes

Summary:

I advised that I would  
be sending NORR since I  
had received the report. She advised  
that I should send to

2190 Cedar Trail

Morganton, NC 28655

She also explained that  
she had hooked up the well  
to city water until she got  
her sampling results back that  
said it was ok. I said I needed  
to sample well since it had hit of a  
contaminant from station per report. I advised  
her to sample 6/7/2011.

North Carolina Department of Environment and Natural Resources  
Division of Waste Management  
UST Section, Corrective Action Branch (CAB)

INSPECTION REPORT

Date: 5/24/11

RISK: High

Inspector: JCA

Site Name: Antioch Food Mart

Incident Number: 28846

County: Burke

UST Number: \_\_\_\_\_

Region: HRD

GPS Coordinates: N W

COMMENTS

- Site visit Mr. Rector not in talked to operator will follow up  
with call to Mr. Rector, operator stated that station is on city water

**Andersen, Jan**

---

**From:** Bailey, Andrew C [Andrew.Bailey@carolinafirst.com]  
**Sent:** Thursday, May 19, 2011 2:59 PM  
**To:** Andersen, Jan  
**Cc:** Walker, Beth; Beldin, Barry E  
**Subject:** ECA20090217 - Beatrice K. Rector and Jimmy A. Rector  
**Attachments:** Phase\_II\_LSI\_Morganton\_NC\_-\_Project\_287226[1].pdf

Jan,

Here is the requested Phase II report for the Rector property. TD Bank N.A. is providing the report because the borrower has not complied with the request to forward said report to NCDENR. Please note that TD Bank N.A. is the secure creditor for this property and not the owner or operator. Also, TD Bank, N.A. assumes no responsibility for the contents of the report.

Should you have any question, please feel free to contact.

Regards,  
Drew

**ANDREW C. BAILEY, REM**

President

**ECA Risk Management – Carolina First and Mercantile Banks\* Environmental Risk Management Service Provider**

2100 Southbridge Parkway

Suite 650

Birmingham, Alabama 35209

p. (205) 414-7592

f. (205) 414-7583

[andrew.bailey@carolinafirst.com](mailto:andrew.bailey@carolinafirst.com)

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5/18/2011

Memo to Rector File

I called Andrew Bailey again on status of report submitted. He stated that he had forwarded to the Bank's attorney and he will have to get back to me. The delay has been due to Carolina First Bank being bought out by TD Bank; lots of different people to go through,

Jan Aiken

**Andersen, Jan**

---

**From:** Andersen, Jan  
**Sent:** Tuesday, January 18, 2011 5:31 PM  
**To:** 'Bailey, Andrew C'  
**Subject:** RE: Rector Property Burke Co. NC

Email per our phone conversation today.

Thanks,

Jan

Jan Andersen - [Jan.Andersen@ncdenr.gov](mailto:Jan.Andersen@ncdenr.gov)  
North Carolina Dept. of Environment and Natural Resources  
Asheville Regional Office  
Division of Waste Management - Underground Storage Tanks  
2090 U.S. 70 Highway  
Swannanoa, NC 28778  
Tel: 828-296-4500  
Fax: 828-299-7043

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---

**From:** Bailey, Andrew C [<mailto:Andrew.Bailey@carolinafirst.com>]  
**Sent:** Tuesday, November 23, 2010 12:00 PM  
**To:** Andersen, Jan  
**Subject:** RE: Rector Property Burke Co. NC

Jan,

I have emailed the appropriate folks and received an out of office reply. The individuals that I need to get authorization from are out until Monday. I will call them Monday to expedite the request.

Have a great Thanksgiving.

Regards,  
Drew

**ANDREW C. BAILEY, REM**

President

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1/18/11

Memo to file

From: J Andersen

Phone Conversation  
with Drew Bailey

I Called to check on status of  
Rector report. He Requested that  
I send him November's email  
Regarding the status of the report  
submitted. I send him the  
email. He will get back to me  
with an update

**From:** Andersen, Jan [mailto:jan.andersen@ncdenr.gov]

**Sent:** Tuesday, November 23, 2010 10:38 AM

**To:** Bailey, Andrew C

**Subject:** Rector Property Burke Co. NC

Andrew,  
Email per our phone conversation today.  
Thanks,  
Jan

*See Response  
on back.*

Jan Andersen - Jan.Andersen@ncdenr.gov  
North Carolina Dept. of Environment and Natural Resources  
Asheville Regional Office  
Division of Waste Management - Underground Storage Tanks  
2090 U.S. 70 Highway  
Swannanoa, NC 28778  
Tel: 828-296-4500  
Fax: 828-299-7043

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*Memo to file from Jan Andorse  
Rector property*

*Phone conversation w/ Andrew Bailey  
11/23/2010*

*I called to ask status of getting  
the Rector Property Report. He thought  
the owner had it but I explained that  
she doesn't have a way to make copy due to  
her financial situation. I had been waiting  
for the bank to give me a copy. We gave  
me his email address and asked that I email him for follow*

**Andersen, Jan**

---

**From:** Andersen, Jan  
**Sent:** Tuesday, November 23, 2010 12:02 PM  
**To:** 'Bailey, Andrew C'  
**Subject:** RE: Rector Property Burke Co. NC

That is great and thanks for getting back to me.  
Happy Thanksgiving,  
Jan

Jan Andersen - [Jan.Andersen@ncdenr.gov](mailto:Jan.Andersen@ncdenr.gov)  
North Carolina Dept. of Environment and Natural Resources  
Asheville Regional Office  
Division of Waste Management - Underground Storage Tanks  
2090 U.S. 70 Highway  
Swannanoa, NC 28778  
Tel: 828-296-4500  
Fax: 828-299-7043

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**From:** Bailey, Andrew C [<mailto:Andrew.Bailey@carolinafirst.com>]  
**Sent:** Tuesday, November 23, 2010 12:00 PM  
**To:** Andersen, Jan  
**Subject:** RE: Rector Property Burke Co. NC

Jan,

I have emailed the appropriate folks and received an out of office reply. The individuals that I need to get authorization from are out until Monday. I will call them Monday to expedite the request.

Have a great Thanksgiving.

Regards,  
Drew

**ANDREW C. BAILEY, REM**

President

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Memo to File

Rector Property

Burke County

Phone conversation

5/26/2010

Dan Hyleman (spelling?) w/ Carolina  
First Bank. He called for info  
on site he is working on an  
appraisal for S.C. bank. He  
doesn't have report I gave him  
Andrew Bailey's # for report info.  
I did give him info on the  
tanks from Sips info on line,

State of North Carolina  
Department of Environment  
and Natural Resources

Asheville Regional Office  
Division of Waste Management – UST Section



Michael F. Easley, Governor  
William G. Ross, Secretary  
Dexter R. Matthews, Director

January 18, 2008

Ms. Deborah Sailors  
Petroleum World, Inc.  
681 NC 120 Highway  
Mooresboro, NC 28114

Subject: Monitoring Report  
Garrison's Store  
1406 Salem Road  
Morganton  
Burke County  
Incident Number: 13282  
Risk Classification: High  
Ranking: 240D

Dear Ms. Sailors:

This letter is to acknowledge receipt and review of the subject report prepared by Shield Engineering, Inc.

I concur with Shield's recommendations to conduct a Mobile Multi-Phase Extraction (MMPE) event. Please proceed with pre-approval submittal.

If you have any questions, do not hesitate to contact me at (828) 296-4640.

Sincerely,

Jan Andersen  
Asheville Regional Supervisor

cc: Michael Armour, L.G., Shield Engineering, Inc.  
Patrick Kelly, Shield Engineering, Inc

Memo to file:

Phone conversation 5/18/2011

w/Andrew Bailey ECA Risk  
Management.

205-414-7592

I called Andrew to check  
on the status of the Bank  
releasing the report. He forwarded  
request to the Banks attorney  
and he will have to do some  
research and get back to me  
via email hopefully

Jan Anderson



State of North Carolina  
Department of Environment  
and Natural Resources

Asheville Regional Office  
Division of Waste Management – UST Section



Michael F. Easley, Governor  
William G. Ross, Secretary  
Dexter R. Matthews, Director

January 18, 2008

Ms. Deborah Sailors  
Petroleum World, Inc.  
681 NC 120 Highway  
Mooresboro, NC 28114

Subject: Monitoring Report  
Oscar's Quick Stop  
McDowell County  
Incident # 23965  
High Risk Classification  
Ranking: 210D

Dear Ms. Sailors:

This letter is to acknowledge receipt and review of the subject report prepared by Shield Engineering, Inc.

I concur with Shield's recommendations to conduct a Mobile Multi-Phase Extraction (MMPE) event. Please proceed with pre-approval submittal.

If you have any questions, do not hesitate to contact me at (828) 296-4640.

Sincerely,

Jan Andersen  
Asheville Regional Supervisor

cc: Michael Armour, L.G., Shield Engineering, Inc.  
Patrick Kelly, Shield Engineering, Inc

Memo to File:  
Rector Property

4/27/2010

Phone conversation  
with Ms. Rector. She  
wanted to know if the  
Report had been sent  
to the ARD from the consultants  
or Bank.

I advised that the consultants  
were checking with bank regarding  
sending in the report

Jan Andersen

4/15/2010

Memo to files:

Both conversation discuss the fact that bank not RD in UST exist (leaking) as long as not owner operator

1) Rector Property Burke Co

2) Spartan Holding Co. Henderson Co

3) Sam Bobs - Haywood

Long discussion approx. (37 min w Drew)

Joe Lindsey - advised that I should contact the bank.

originally contacted him about #2) Spartan - wasn't that familiar with problem. He gave me Andrew Bailey's # in Alabama need to talk about heating oil tank

Phone call to Andrew Bailey (37 minutes)

① Phone conversation 4/15/2010

With Joe Lindsey Carolina

864-232-3822 First

(14 min w/ Joe) Bank

③ Phone conversation

w/ Andrew Bailey

ECA Risk Management

205-414-7592

② Spartan Holding Henderson

Discussed Spartan Holding UST @ gas station low - pretty risk Mark. Bank looking to not taking bus

Can't I concern that cont. from original UST. My main concern was the heating oil #16 Sample @ house of no

We discussed the Nor Conn Trust Fund - he was familiar & 30% with this when he worked for the First Union Bank, Env. department for 10 years.

Conclusion I will send work for separation of property and owner.

Ust - Separate misconduct Andrew Bailey Holding

② Also go ahead and send NORR for the stations - so that GAME can give proposal for what would be required - it is possible we could get NFA for with due restriction.

① Rector Property he has a lot that went out to formally get appraisal from me. Traction to release the report. I advised that he has hooked up the trailer park we will need account since water supply built on there

③ Sam Bobs - he had both NORR and he had consultant working on pricing the assessment. I advised him that I had spoken with the consultant this week - (discuss low priority issues)

Appr. 40+  
min

Memo: To File

Returned her U.M.

Summary

Cell 828-448-0262 - also in coming #

Phone Conversation w/ Bea Reator

Lower Creek Grocery

AS-2969

4/6/10 AM

2940 NC 18 & 64

CD-236

AKA ANTIOCH Grocery

NFA 2/24/04

AEI consultant

She Rec'd Phase II in Mail from Bank - Carolina First

She had been advised in Report to file 24 HR

Release - I said that the phone call served as the 24 HR

• Phase II says has GW & soil & cont. in trailer park's well

B# 5 Mobile Home Park

2001 she & husband bought station plus trailer park (14 mobile homes

Plus 90VH night  
Campground

She stated  
that she  
was not  
behind in  
her payments  
to bank.

Bank came to her & said she is in flood plain so

she needed flood insurance - added \$1,000.00/month to mortgage

She had to lease it out after husband lost kidney & had cancer

She doesn't want the trailer park to have contaminated water (her water

(Her ~~set~~ sister had to move in one of trailers after  
her husband had killed himself)

not foreclosing  
at this time  
as far as she  
knows.

Based on what she told me from report sounds like  
well is below 2h - not sure of this

I advised her of need to do assessment & correction action  
also that the bank fees covered STF but that the deductible  
is \$20,000.00 says she doesn't have \$\$\$ - Advised her of state head  
of ..

Advised her that she needed to do 2 things:

① Check on replacing well for trailer park  
City water is at the house adj. to station

② Get a copy of the phase II sent to our office

She will follow-up with both items

4/8/2010 - in coming call from Ms. Reator

• She hooked up trailer park to city water

• She called Consultant and she will check with

Bank about sending report to us, she can't get a copy  
of the report she has just